AT&T

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December 7, 1998

Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
445 Twelfth Street, SW, Room TWB-204
Washington, D.C. 20554

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DEC - 7 1998

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Re: Ex Parte
        In the Matter of Applications for Transfer of Control to AT&T Corp. ("AT&T") of Licenses and
        Authorizations Held by Tele-Communications, Inc. ("TCI")
        CS Docket No. 98-178

Dear Ms. Roman Salas:

        On Friday, December 4, 1998, C. Michael Armstrong, Chairman and CEO, James Cicconi, Senior
Vice President, Government Affairs and Federal Policy, Leonard Cali, Joel Horowitz, and I, of AT&T, and
Milo Medin, Senior Vice President, Engineering and Chief Technical Officer of @Home met with Chairman
William Kennard and Commissioner Susan Ness, Susan Fox and Thomas Power of Chairman Kennard's
office, and James Casserly and Anita Wallgren of Commissioner Ness's office. During the meeting, AT&T
provided an overview of the proposed merger and its benefits. AT&T further urged the Commission to
conclude its review of the proposed merger in a timely manner. In addition, Mr. Medin provided a
description and demonstration of @Home's service. Finally, AT&T advised Chairman Kennard and
Commissioner Ness that the European Commission had cleared the AT&T/TCI merger. A copy of the
materials used during the presentation is attached. The comments made by AT&T and @Home are
consistent with its filings on record in the above-referenced proceeding.

        Two copies of this Notice are being submitted to the Secretary of the FCC in accordance with
Section 1.1206(a)(2) of the Commission's rules.

Sincerely,

Betsy J. Brady

Attachments

cc: Chairman William Kennard
     Commissioner Susan Ness
     James Casserly
     Susan Fox
     Thomas Power
     Anita Wallgren

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Recycled Paper

@Home Architecture

Milo Medin
SVP, Engineering & CTO

@Home Network

December 4, 1998

Our
Vision

- Leverage the existing cable infrastructure to provide high-speed, fully integrated, multi-platform interactive services which will _revolutionize_ the way people interact with information and each other at home and at work.
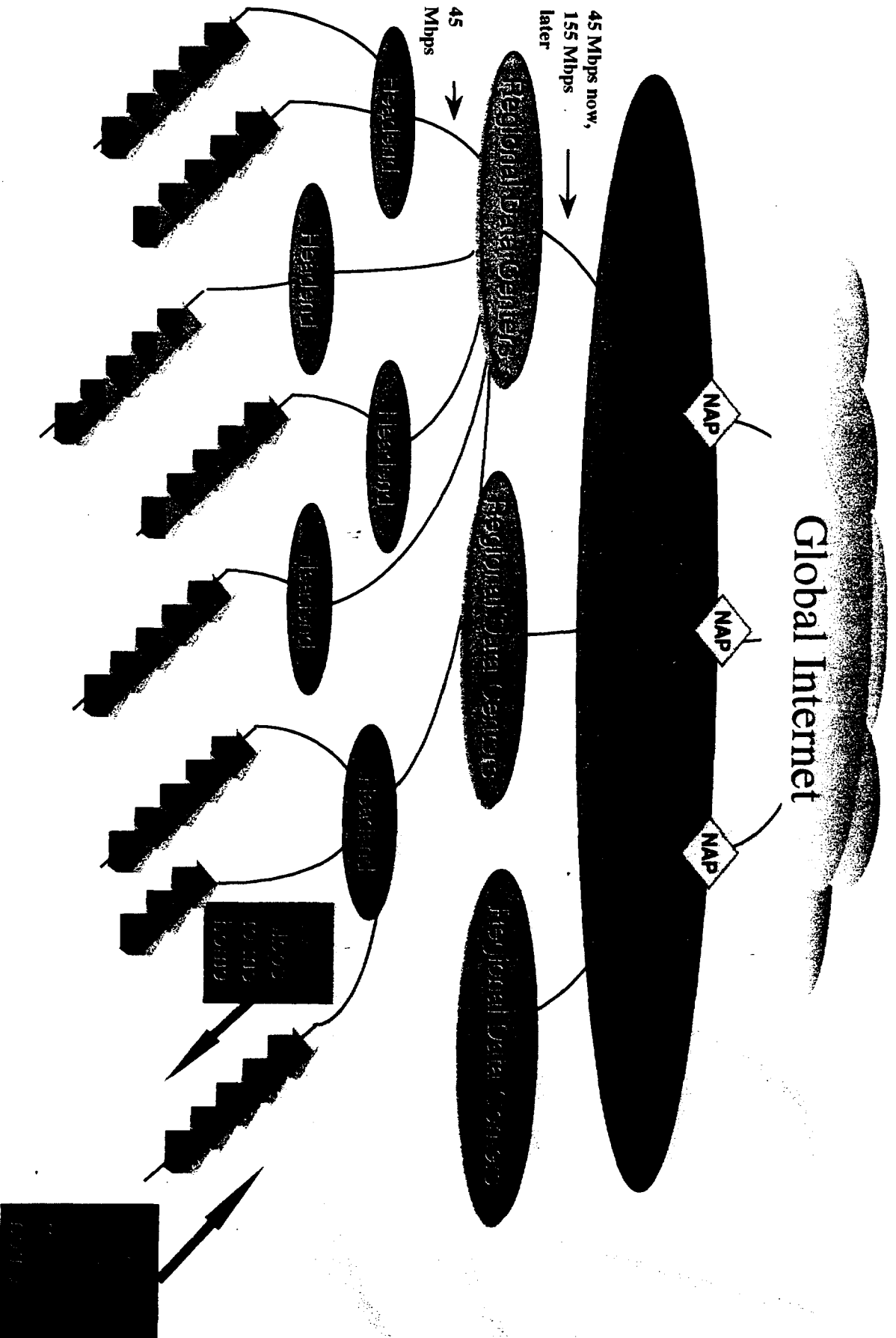
The Challenges

- How to provide high-performance Internet service without destroying the Internet?
- How to scale and evolve the system to millions of homes at an affordable price?
- How to proactively manage reliable network communications to the user?
- How to assure quality of service to the customers, even when the Internet is highly variable?

Key Design Principles

- Must design specifically for consumer price point - not retrofit business service model
- Cannot scale the system just by adding communications capacity - must work smarter
- Network must cache and replicate content to provide support "fanout" - trade off CPU power and storage for network transport
- Network must integrate content distribution with transport for maximum broadband performance
- Service aware QoS is required for service differentiation and scalability
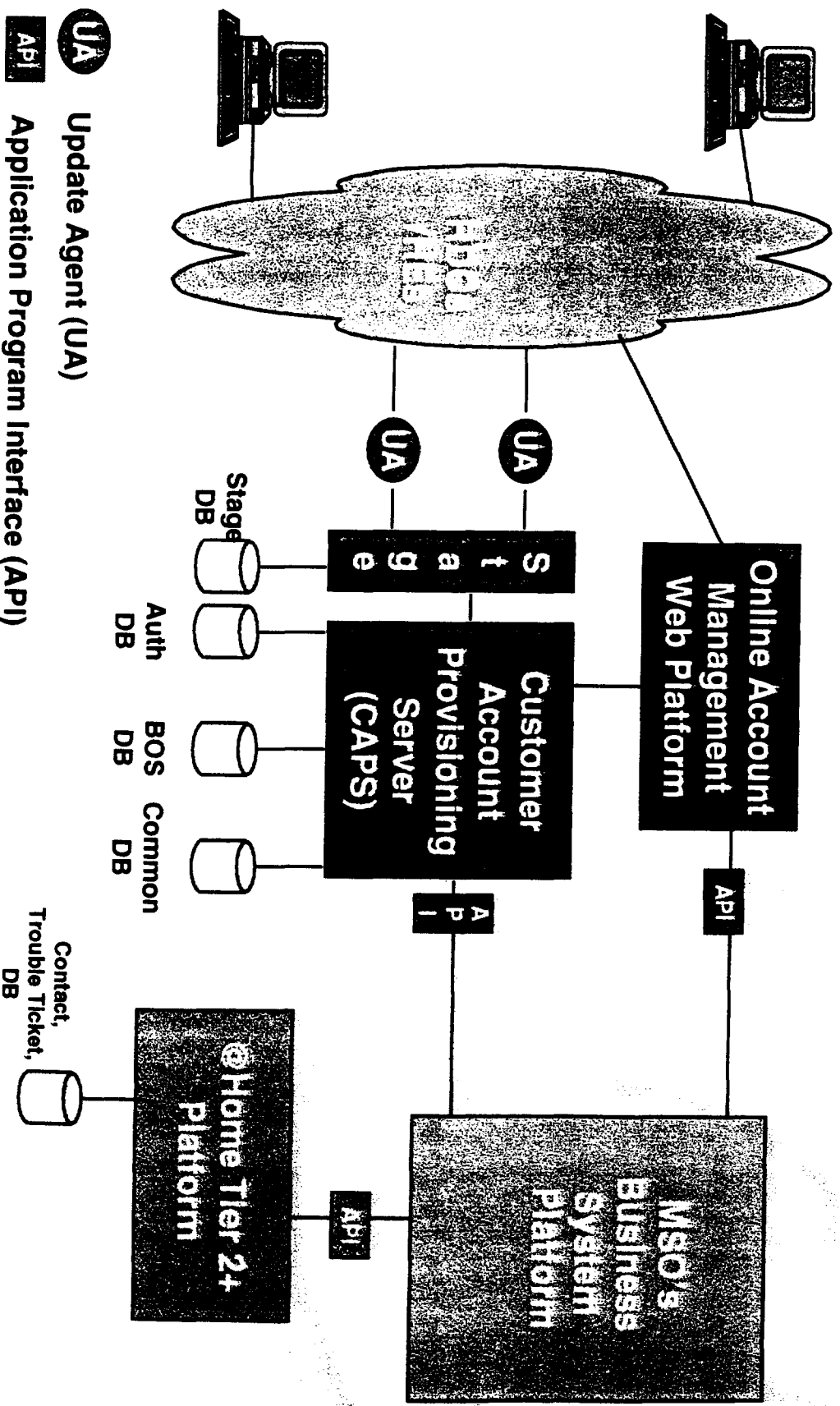
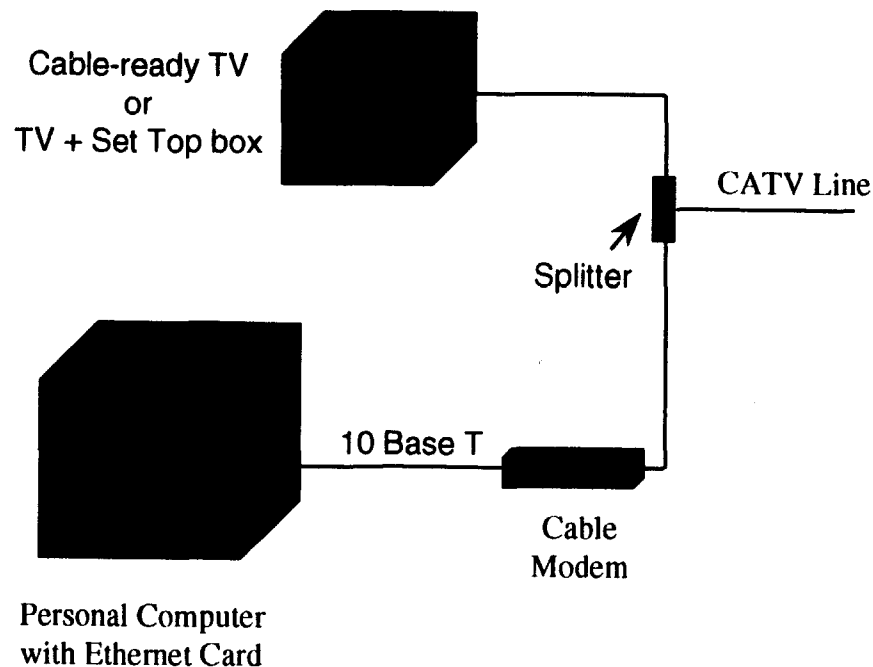The @Home network is managed from end to end

Global Internet

NAP

NAP

NAP

Regional Data Centers

Regional Data Centers

Regional Data Centers

Headend

Headend

Headend

Headend

Headend

45 Mbps now,
155 Mbps
later

45
Mbps

Provisioning Systems

- Provides network and application service activation, deactivation and management
- Complete "flow-through provisioning" - no local technician support needed
- Standard interfaces to MSO IT systems, with distributed elements throughout the @Home network (RDC's, Headends, CMTS's, and subscriber software)
- Supports user provision of additional services
- Tied into NMS and customer care systems for diagnostics and support

@Home Service Provisioning

Online Account Management Web Platform

Customer Account Provisioning Server (CAPS)

Stage

Stage DB

Auth DB

BOS DB

Common DB

API

MSO's Business System Platform

@Home Tier 2+ Platform

Contact, Trouble Ticket, DB

API

API

UA

UA

UA Update Agent (UA)

API Application Program Interface (API)

Subscriber Installation

Cable-ready TV
or
TV + Set Top box

CATV Line

Splitter

10 Base T

Cable
Modem

Personal Computer
with Ethernet Card

- Simultaneous data and video use
- Full IP dial-tone
- Modem always on
- Multiple hosts supported
- Proactively managed